

Rice Milling: 2002

Issued January 2005

EC02-311-311212 (RV)

2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry and year ¹ | Com- panies ² | All estab- lish- ments ³ | All employees | | Production workers | | | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expendi- tures (\$1,000) |
|--------------------------------|-----------------------------|--|---------------------|----------------------|---------------------|------------------|--------------------|-----------------------------|--|---|---|
| | | | Number ⁴ | Payroll (\$1,000) | Number ⁴ | Hours (1,000) | Wages (\$1,000) | | | | |
| 311212, Rice milling | 62 | 76 | 3 772 | 131 515 | 3 002 | 6 230 | 91 516 | 530 145 | 1 237 093 | 1 758 929 | 140 335 |
| 2002.. | N | N | 4 130 | 135 748 | 3 129 | 6 468 | 88 563 | 511 351 | 1 263 368 | 1 809 569 | 47 198 |
| 2001.. | N | N | 4 229 | 135 198 | 3 253 | 6 781 | 87 805 | 529 579 | 1 405 012 | 1 968 579 | 63 079 |
| 2000.. | N | N | 4 347 | 136 637 | 3 262 | 6 701 | 89 001 | 604 917 | 1 622 885 | 2 246 113 | 42 967 |
| 1999.. | N | N | 3 637 | 120 044 | 2 760 | 6 199 | 80 342 | 601 714 | 1 662 229 | 2 257 465 | 21 599 |
| 1998.. | N | N | 3 805 | 118 318 | 2 986 | 6 277 | 80 451 | 587 737 | 1 810 862 | 2 364 582 | 45 454 |
| 1997.. | 56 | 67 | | | | | | | | | |

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| Industry and geographic area | E ¹ | All establishments ² | | All employees | | Production workers | | | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|------------------------------|----------------|---------------------------------|---------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
| | | Total | With 20 employees or more | Number ³ | Payroll (\$1,000) | Number ³ | Hours (1,000) | Wages (\$1,000) | | | | |
| 311212, Rice milling | | | | | | | | | | | | |
| United States..... | — | 76 | 37 | 3 772 | 131 515 | 3 002 | 6 230 | 91 516 | 530 145 | 1 237 093 | 1 758 929 | 140 335 |
| Arkansas | — | 15 | 9 | 1 584 | 49 149 | 1 328 | 2 569 | 36 633 | 104 336 | 552 130 | 656 059 | 15 813 |
| California | — | 23 | 12 | 1 012 | 42 305 | 735 | 1 594 | 26 936 | 115 201 | 311 109 | 415 876 | 14 014 |
| Louisiana | 3 | 11 | 7 | 368 | 11 311 | 298 | 677 | 8 039 | 49 939 | 105 107 | 155 157 | 2 631 |

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Item | Value |
|--|---------------------|
| 311212, Rice milling | |
| Companies ¹ | number.. 62 |
| All establishments ² | number.. 76 |
| Establishments with 1 to 19 employees | number.. 39 |
| Establishments with 20 to 99 employees | number.. 28 |
| Establishments with 100 employees or more | number.. 9 |
| All employees ³ | number.. 3 772 |
| Total compensation | \$1,000.. 168 263 |
| Annual payroll | \$1,000.. 131 515 |
| Total fringe benefits | \$1,000.. 36 748 |
| Production workers, average for year | number.. 3 002 |
| Production workers on March 12 | number.. 3 048 |
| Production workers on May 12 | number.. 2 991 |
| Production workers on August 12 | number.. 2 978 |
| Production workers on November 12 | number.. 2 982 |
| Production worker hours | 1,000.. 6 230 |
| Production worker wages | \$1,000.. 91 516 |
| Total cost of materials | \$1,000.. 1 237 093 |
| Materials, parts, containers, packaging, etc., used | \$1,000.. 1 098 939 |
| Resales | \$1,000.. 80 287 |
| Purchased fuels | \$1,000.. 9 698 |
| Purchased electricity | \$1,000.. 28 169 |
| Contract work | \$1,000.. 20 000 |
| Quantity of electricity purchased for heat and power | 1,000 kWh.. 478 040 |
| Quantity of electricity generated less sold for heat and power | 1,000 kWh.. D |
| Total value of shipments | \$1,000.. 1 758 929 |
| Primary products value of shipments | \$1,000.. 1 652 442 |
| Secondary products value of shipments | \$1,000.. 9 385 |
| Total miscellaneous receipts | \$1,000.. 97 102 |
| Value of resales | \$1,000.. 86 027 |
| Contract receipts | \$1,000.. 8 356 |
| Other miscellaneous receipts | \$1,000.. 2 719 |
| Primary products specialization ratio | percent.. 99 |
| Value of primary products shipments made in all industries | \$1,000.. 1 690 542 |
| Value of primary products shipments made in this industry | \$1,000.. 1 652 442 |
| Value of primary products shipments made in other industries | \$1,000.. 38 100 |
| Coverage ratio | percent.. 98 |
| Value added | \$1,000.. 530 145 |
| Total inventories, beginning of year | \$1,000.. 316 067 |
| Finished goods inventories | \$1,000.. 56 350 |
| Work-in-process inventories | \$1,000.. 12 026 |
| Materials and supplies inventories | \$1,000.. 247 691 |
| Total inventories, end of year | \$1,000.. 348 747 |
| Finished goods inventories | \$1,000.. 56 394 |
| Work-in-process inventories | \$1,000.. 20 291 |
| Materials and supplies inventories | \$1,000.. 272 062 |
| Gross value of depreciable assets (acquisition costs) at beginning of year | \$1,000.. 720 679 |
| Total capital expenditures (new and used) | \$1,000.. 140 335 |
| Buildings and other structures (new and used) | \$1,000.. 15 101 |
| Machinery and equipment (new and used) | \$1,000.. 135 234 |
| Automobiles, trucks, etc., for highway use | \$1,000.. 1 408 |
| Computers and peripheral data processing equipment | \$1,000.. 1 515 |
| All other expenditures for machinery and equipment | \$1,000.. 132 311 |
| Total retirements | \$1,000.. 129 792 |
| Gross value of depreciable assets at end of year | \$1,000.. 731 222 |
| Depreciation charges during year | \$1,000.. 139 559 |
| Total rental payments | \$1,000.. 14 560 |
| Buildings and other structures | \$1,000.. 5 078 |
| Machinery and equipment | \$1,000.. 9 482 |
| Total other expenses ⁴ | \$1,000.. 62 765 |
| Response coverage ratio ⁵ | percent.. 79 |
| Repair and maintenance services of buildings and/or machinery ⁴ | \$1,000.. 15 023 |
| Communications services ⁴ | \$1,000.. 1 388 |
| Legal services ⁴ | \$1,000.. 834 |
| Accounting, auditing, and bookkeeping services ⁴ | \$1,000.. 909 |
| Advertising and promotional services ⁴ | \$1,000.. 7 300 |
| Expensed computer hardware and supplies and purchased computer services ⁴ | \$1,000.. 1 116 |
| Refuse removal (including hazardous waste) services ⁴ | \$1,000.. 829 |
| Management consulting and administrative services ⁴ | \$1,000.. 3 238 |
| Taxes and license fees ⁴ | \$1,000.. 2 257 |
| All other expenses ⁴ | \$1,000.. 29 871 |

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Employment size class | E ¹ | All establishments ² | All employees | | Production workers | | | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|---|----------------|---------------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
| | | | Number ³ | Payroll (\$1,000) | Number ³ | Hours (1,000) | Wages (\$1,000) | | | | |
| 311212, Rice milling | | | | | | | | | | | |
| All establishments | — | 76 | 3 772 | 131 515 | 3 002 | 6 230 | 91 516 | 530 145 | 1 237 093 | 1 758 929 | 140 335 |
| Establishments with— | | | | | | | | | | | |
| 1 to 4 employees | 8 | 19 | 40 | 1 292 | 26 | 50 | 710 | 5 461 | 14 194 | 19 801 | 1303 |
| 5 to 9 employees | 9 | 13 | b | D | D | D | D | D | D | D | D |
| 10 to 19 employees | 7 | 7 | 106 | 3 846 | 70 | 133 | 1 851 | 11 582 | 33 940 | 45 629 | 11 068 |
| 20 to 49 employees | — | 14 | 481 | 14 824 | 358 | 806 | 9 520 | 47 526 | 93 405 | 139 853 | 2 922 |
| 50 to 99 employees | — | 14 | 1 048 | 33 072 | 865 | 1 725 | 23 924 | 122 752 | 298 713 | 420 398 | 111 072 |
| 100 to 249 employees | — | 6 | 853 | 39 252 | 648 | 1 457 | 26 582 | 269 140 | 307 295 | 568 672 | 112 459 |
| 250 to 499 employees | — | 3 | g | D | D | D | D | D | D | D | D |
| 500 to 999 employees | — | — | — | — | — | — | — | — | — | — | — |
| 1,000 to 2,499 employees | — | — | — | — | — | — | — | — | — | — | — |
| 2,500 employees or more | — | — | — | — | — | — | — | — | — | — | — |
| Administrative records ⁴ | 8 | 27 | 164 | 5 538 | 125 | 256 | 3 647 | 15 880 | 67 231 | 83 111 | 12 249 |

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry or product class code | Industry or primary product class | All establishments ¹ | All employees | | Production workers | | | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|--------------------------------|-----------------------------------|---------------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
| | | | Number ² | Payroll (\$1,000) | Number ² | Hours (1,000) | Wages (\$1,000) | | | | |
| 311212 | Rice milling | 76 | 3 772 | 131 515 | 3 002 | 6 230 | 91 516 | 530 145 | 1 237 093 | 1 758 929 | 40 335 |
| 3112120 | Rice milling | 76 | 3 772 | 131 515 | 3 002 | 6 230 | 91 516 | 530 145 | 1 237 093 | 1 758 929 | 40 335 |

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Product code | Product | Number of companies with shipments of \$100,000 or more | Quantity of production for all purposes | Product shipments | |
|--------------|---|---|---|---------------------|------------------------|
| | | | | Quantity | Value (\$1,000) |
| 311212 | Rice milling | 2002.. N 1997.. N | X X | X X | 1 690 542 2 147 313 |
| 3112120 | Rice milling | 2002.. N 1997.. N | X X | X X | 1 690 542 2 147 313 |
| 31121201 | Head rice not packaged with other ingredients, packed in bags of 100 lb or more | 2002.. N 1997.. N | X X | X X | 531 460 621 627 |
| 3112120111 | Head rice not packaged with other ingredients, packed in bags of 100 lb or more | 2002.. 24 1997.. 27 | X X | S 5 913.0 | 531 460 621 627 |
| 31121202 | Head rice not packaged with other ingredients, packed in containers of 3 lb or less | 2002.. N 1997.. N | X X | X X | D 308 360 |
| 3112120221 | Head rice not packaged with other ingredients, packed in containers of 3 lb or less | 2002.. 13 1997.. 12 | X X | D S | D 308 360 |
| 31121203 | Head rice not packaged with other ingredients, packed in all other containers | 2002.. N 1997.. N | X X | X X | 558 343 798 262 |
| 3112120331 | Head rice not packaged with other ingredients, packed in all other containers | 2002.. 23 1997.. 22 | X X | P3 459.2 4 006.9 | 558 343 798 262 |
| 31121204 | Milled rice (including second heads, screenings, brewers, bran, sharps, rice flour, residues, and byproducts) | 2002.. N 1997.. N | X X | X X | 279 114 374 075 |
| 3112120441 | Milled rice second heads | 2002.. 10 1997.. 14 | X X | P462.9 S | 40 066 71 579 |
| 3112120451 | Milled rice screenings and brewers' rice | 2002.. 16 1997.. 18 | X X | S S | 24 040 52 710 |
| 3112120461 | Milled rice bran | 2002.. 19 1997.. 18 | X X | S S | 24 819 43 808 |
| 3112120471 | Milled rice sharps and other residues and byproducts | 2002.. 11 1997.. 13 | X X | S S | 15 845 14 849 |
| 3112120481 | All other milled rice, including rice flour | 2002.. 13 1997.. 15 | X X | P1 746.1 S | 174 344 191 129 |
| 31121205 | Head rice packaged with other ingredients | 2002.. N 1997.. N | X X | X X | D N |
| 3112120511 | Head rice packaged with other ingredients | 2002.. 1 1997.. N | X X | D X | D N |
| 3112120Y | Rice milling, nsk, total | 2002.. N 1997.. N | X X | X X | 76 017 44 989 |
| 3112120YWW | Rice milling, nsk, for nonadministrative-record establishments | 2002.. N 1997.. N | X X | X X | 9 673 S |
| 3112120YWY | Rice milling, nsk, for administrative-record establishments | 2002.. N 1997.. N | X X | X X | 66 344 52 035 |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Material code | Material consumed | Quantity | Delivered cost (\$1,000) |
|---------------|---|-----------|--------------------------|
| 311212 | Rice milling | | |
| 00900001 | Total materials2002.. | X | 1 098 939 |
| |1997.. | X | 1 663 821 |
| 11116000 | Rice, rough mil lb..2002.. | P10 591.0 | 795 575 |
| |1997.. | S | 1 431 176 |
| 32222401 | Bags (uncoated paper and multiwall)2002.. | X | 10 217 |
| |1997.. | X | D |
| 31491101 | Textile bags (burlap, cotton, polypropylene, etc.)2002.. | X | 16 042 |
| |1997.. | X | 44 336 |
| 001900A3 | Bags (plastics, foil, and coated paper)2002.. | X | 10 937 |
| |1997.. | X | 3 230 |
| 001900A1 | Packaging paper and plastics film, coated and laminated2002.. | X | 5 318 |
| |1997.. | X | D |
| 32221001 | Paperboard containers, boxes, and corrugated paperboard2002.. | X | 13 992 |
| |1997.. | X | N |
| 00970099 | All other materials and components, parts, containers, and supplies2002.. | X | 163 078 |
| |1997.. | X | 48 540 |
| 00971000 | Materials, ingredients, containers, and supplies, nsk2002.. | X | 83 780 |
| |1997.. | X | 114 497 |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.